



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200  
Fax 613 632-5246

# Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name	
PO041514	ACI001-VC	1	1	Net 30	M304S16GA	304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240				192	11/2/2018	160		S123198	Stock	10/31/2018	\$ 7.72 / sf	0		\$1,234.56	Acier Ouellette Inc.	
													32		S123205	Stock	10/31/2018	\$ 7.72 / sf	0		\$246.91	Acier Ouellette Inc.
		2			M304S18GA	304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240							192		S123199	Stock	10/31/2018	\$ 7.62 / sf	0		\$1,463.23	Acier Ouellette Inc.
Total:										384		384									\$2,242.05	

Plex 10/31/2018 1:53 PM dart. Tollis Andrew



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO041514

**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**PO No:** PO041514  
**PO Date:** 10/30/18  
**Due Date:** 11/2/18  
**Purchase Order**  
**Revision:**  
**Revision Date:**  
**Ship-To Contact:** Tsimiklis, ChrisoulaPhone:

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground  
**Pymt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:**

## Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	-	11/2/18	192 sf	0 sf 192sf	192 sf	\$7.716/sf	\$1,481.47
2		M304S18GA		304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	-	11/2/18	192 sf	0 sf 192sf	192 sf	\$7.621/sf	\$1,463.23

**Grand Total:** \$2,944.70

GZ

*[Signature]*



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

## PURCHASE ORDER PO041514

### Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

#### Procurement Quality Clauses

A005 RIGHT OF ENTRY  
A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)  
A012 CHEMICAL AND PHYSICAL TEST REPORTS  
A016 PERSONNEL QUALIFICATION  
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)  
A026 CERTIFICATION OF MATERIAL CONFORMANCE  
A041 QUALITY MANAGEMENT SYSTEM  
A042 DART NOTIFICATION BY SUPPLIER  
A043 RETENTION OF QUALITY DOCUMENT  
  
A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM  
A049 SUPPLIER AWARENESS

Plex 10/31/18 11:10 AM dart.tsimiklis.chrisoula

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**DELIVERY - CLIENT**

Copy

CO00118105

**Billed to**

DART AEROSPACE LTD  
  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

Att : LUSSIER Tél.: (613) 632-5200 X 730

**Delivery Route** 5**Customer N°**

CLI0001056

**Date**

2018/10/30

**Delivery date****2018/10/31****Your order N°**

PO041514

**Processed by**

Denis Quenneville

**Salesman****Carrier**

OUELLETTE VALLEYFIELD

**Credit Terme**

Net 30 Days

**Instruction** F-M

Product Description	Weight	Qty	UM	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
<b>1 SHEET SS 16G SS304-2B (4 X 8)</b> FESS-16G483042B <b>3419</b> 6 SHEET OF 48" X 96" 2 X Heat : C270094 4 X Heat : A1W050575	504.00	192.00	PI2_\$CLB		6x 4'x8'						
<b>2 SHEET SS 18G SS304-2B (4 X 8)</b> FESS-18G483042B <b>3425</b> 6 SHEET OF 48" X 96" Heat : 4162	403.20	192.00	PI2_\$CLB		6x 4'x8'						
<b>3 SKID (4 X 8)</b> SK-48 <b>10048</b>		1.00	UN_\$UN								

**Note : ATTENTION: MILL TEST REQUIS****Total Weight (Lbs) :** 907.20

NIR : R-109516-6

**Conditions :**

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By :

Delivered By :

Time

Customer's Signature

Date

Y M D  
10/31/18

TRIA-2832

**彰源企業股份有限公司**  
**FROCH ENTERPRISE CO., LTD.**

T: +886-5-5571670

F:+886-5-5571188

4X AIW 050575



# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240

FINISH:

FINISH	DART M-NUMBER IDENTIFIER
UNPOLISHED No. 1	1P
UNPOLISHED No. 2D	2D
UNPOLISHED No. 2B	NONE
POLISHED No. 3	3P
POLISHED No. 4	4P
BUFFED No. 6	6P
BUFFED No. 7	7P
BUFFED No. 8	8P

PART NUMBER: M304S TT GA #P  
GA

WHERE "TT" = GAUGE THICKNESS  
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

**RELEASED**

2015 FEB 04

ECN 15-122 47

REV.	DESCRIPTION	BY	DATE
D	ADDED GAUGES 0-7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN C8) AND EXAMPLE OF MATERIAL P/N WITH FINISH OTHER THAN 2B (ZN B5).	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1). ADD GAUGE REF (C8-1). REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24

  

DESIGN	DS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. <b>M304S</b> TITLE <b>304/316 SS SHEET</b> SCALE <b>NTS</b>	REV. D
DRAWN	AJS		SHEET 1 OF 1
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	15.01.06	COPYRIGHT © 2001 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS UNCLASSIFIED AND CONFIDENTIAL. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.</small>	

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S16GA  
 DATE: 18/10/31

PO / BATCH NO.: P0041514/5123198

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 128sf  
 QUANTITY INSPECTED: 128sf  
 QUANTITY REJECTED: 64sf (5123205)

THICKNESS ORDERED: 0.063"  
 THICKNESS RECEIVED: 0.063"  
 SHEET SIZE ORDERED: 4'x8'  
 SHEET SIZE RECEIVED: 4'x8'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> N	ASTM A240
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	LT: A1W050575
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/10/31</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



3425  
North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

FESS-18G483042B  
METALLURGICAL TEST REPORT

52106

19625  
6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000 024664

Certificate: 434786 4

Customer: 007040 102

Date: 8/06/2018 Page: 1

Steel: 304L

Finish: 2B

Your Order: P207936

NAS Order: PN 0098340 03

Corrosion: ASTM A262-02a PRACTICE E

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED. UNS 30400/30403  
ASTM A240/17, A480/16b, A666/15; ASME SA240/17, SA480/17, SA666/17  
MANUFACTURED IN SOUTH AFRICA

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.  
EN 10204:2004 3.1; RoHS 1 & 2 Compliant  
Material is Free of Radioactive Contamination  
Steel Making Process: EAF, AOD, & Cont. Casting  
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001

Product Id	Supplier Id	Skid #	Thickness	Width	Weight	-----Length-----	Mark	Pieces	Commodity Code
CA0439	416241 2C		.0472	47.9981	21,296	COIL		4 1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	Supplier#	CM	C %	CR %	MN %	N %	NI %	P %	S %	SI %
4162	416241	So	.0241	18.0051	1.1811	.0653	8.0123	.0271	.0009	.3605

MECHANICAL PROPERTIES

Product Id	Supplier Id	l o c a l	d i c t o r	UTS KSI	20C .2% YS KSI	20C ELONG %-2"	% Hard RB	TAIL RB
CA0439	416241 2C	F	T	97.00	44.00	50.00	85.00	83.00

heat 4162

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS LARK

8/08/2018



# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240

FINISH:	FINISH	DART M-NUMBER IDENTIFIER
	UNPOLISHED No. 1	1P
	UNPOLISHED No. 2D	2D
	UNPOLISHED No. 2B	NONE
	POLISHED No. 3	3P
	POLISHED No. 4	4P
	BUFFED No. 6	6P
	BUFFED No. 7	7P
	BUFFED No. 8	8P

PART NUMBER: M304S TT GA #P  
GA

WHERE "TT" = GAUGE THICKNESS  
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
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22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
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13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

**RELEASED**

2015 FEB 04

ECN 15-522 9

REV.	DESCRIPTION	BY	DATE
D	ADDED GAUGES 0-7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN C8) AND EXAMPLE OF MATERIAL P/N WITH FINISH OTHER THAN 2B (ZN B5).	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (C8-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
DESIGN	DS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. <b>M304S</b> TITLE <b>304/316 SS SHEET</b> REV. D SHEET 1 OF 1 SCALE NTS	
DRAWN	AJS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	15.01.06		

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THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S186A  
DATE: 18/10/31

PO / BATCH NO.: P0041514/S123199

MATERIAL CERT REC'D: Yes  
QUANTITY RECEIVED: 1925F  
QUANTITY INSPECTED: 1925F  
QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.050"  
THICKNESS RECEIVED: 0.050"  
SHEET SIZE ORDERED: 4'x8'  
SHEET SIZE RECEIVED: 4'x8'

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	ASTM A240
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	Y	N	MT-4162
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  
RECORD RESULTS BELOW

SAMPLE METEOR READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

ION  
D BY: 4  
DATE: 18/10/31  
ENGINEERING SIGNOFF (if required)  
SIGNED OFF BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

inspection sheet with the  
ing material cert and remit to be scanned and received in

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**DELIVERY - CLIENT**

Copy

CO00119105

**Billed to**

DART AEROSPACE LTD

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

Att : LUSSIER Tél.: (613) 632-5200 X 730

**Delivery Route** 5**Customer N°**

CLI0001056

**Date**

2018/11/06

**Delivery date****2018/11/09****Your order N°**

PO041514

**Processed by**

Denis Quenneville

**Salesman****Carrier**

OUELLETTE VALLEYFIELD

**Credit Terme**

Net 30 Days

**Instruction** F-M

Product Description	Weight	Qty	UM	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
<b>1 SHEET SS 16G SS304-2B (4 X 8)</b> FESS-16G483042B <b>3419</b> 2 SHEET 48 X 96 AC21304-SDI-7/11 Heat: 854967 <i>AK</i>	168.00	64.00	PI2_\$CLB		2X 4X8						
<b>RMA 1937 2 FEUILLES SS304 16JA 48 X 96 A</b> <b>RAMASSER REF FAC 121775</b>											

**Note :** ATTENTION: MILL TEST REQUIS**Conditions :**

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

**Total Weight (Lbs) :** 168.00

NIR : R-109516-6

Prepared By :

Verified By :

Delivered By :

Time

Customer's Signature

Date

119105 *Part*  
PACKING LIST



*Heat: 854967*

CERTIFICATE OF TEST

*24858*  
*21304N*

CUST. ORDER NO. & DATE  
P208064

06/19/18  
MG BILL  
L155051

CUST. CODE  
329587

FINISHING LOCATION  
VANDERGRIFT, PA

SHIPPER NO.  
569835

PRODUCT CODE  
13020102060000

MILL ORDER NUMBER  
30-068-317

DATE SHIPPED  
06/20/18

(4)

FORMS DISTRIBUTION  
SOLD TO 3 SHIP TO 1 SPEC SOLD TO 1

REPEAT 01885-4  
DO PAGE 25  
PRIME SEC  
DSO DSO  
30

GOV'T. CONTRACT  
7219.90.0000

MAT'L 1121 VANDERGRIFT  
SHIP TO PA

INVOICE  
668227

GRADE AND SPECIFICATIONS  
"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (ASTM-A-240-17) (ASTM-A-480-17) (UNS S30400)

CARRIER - TRANSPORT TFI DBA GOLDEN

ITEM PCS DIMENSIONS W/G/L

002 1 48.7.059/1531.

C CUST IDENTITY 3042B.059X48-RC  
1 SKID

HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/ CD	SKID #
854967	AAC29015-A	8858250	14915	50	14865		573043	
			14915	50	14865			

*131-41*

ORDER REMARKS: IN THE EVENT DDP (INCOTERMS 2010 OR LATEST REV) APPLIES TO THIS ORDER, BUYER SHALL BE SOLELY LIABLE TO PAY, OR PROMPTLY REIMBURSE SELLER IF SELLER PAYS, ANY NEW OR INCREASES TO DUTIES, TAXES, TARIFFS, CUSTOMS FORMALITIES OR OTHER GOVERNMENTAL CHARGES IMPOSED AFTER MARCH 1, 2018 UPON IMPORT OF THE GOODS (NEW DUTIES). NOTWITHSTANDING THE DELIVERY TERM APPLICABLE TO THIS ORDER, BUYER EXPRESSLY WAIVES ANY RIGHT TO CLAIM FORCE MAJEURE OR ANY OTHER LEGAL OR EQUITABLE RIGHT TO TERMINATE, SUSPEND OR AMEND THIS ORDER AS A RESULT OF ANY NEW DUTIES OR OTHERWISE AVOID ITS OBLIGATION TO PAY ANY NEW DUTIES. EXW - EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER

DIST: PLEASE MAIL ACKNOWLEDGMENTS TO DIVERSIFIED ULBRICH 98 NORFINCH DRIVE DOWNSVIEW, ONTARIO CANADA M3N1X1 ATTN: ANNE DIRKSEN-CAIROLI

TYPE HEAT/TEST (WT %)	--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--N--
HEAT 854967	.02	1.62	.031	.0002	.34	18.15	8.14	.08
TEST LOCATION	BN	BN	BN	BN	BN	BN	BN	BN

PAGE 01 - CONTINUED ON PAGE 02

06/20/18 14:24:39

CONSIGNEE—Please Note—This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

WARNING  
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Noreen DeFerrari  
Sr. Manager Quality Control/Quality Assurance

*N. DeFerrari*

1



NOTICE OF SHIPMENT  
PACKING LIST



CERTIFICATE OF TEST

CUST. ORDER NO. & DATE P208064			CUST. CODE 06/19/18 329587		FINISHING LOCATION VANDERGRIFT, PA		SHIPPER NO. 569835		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-068-317		DATE SHIPPED 06/20/18	
FORMS DISTRIBUTION SOLD TO 3 SHIP TO SPEC SOLD TO			MG BILL L155051		REPEAT ORDER 01885-4		DO DATE 25		PRI-ORITY PRIME SEC.		GOV'T. CONTRACT 7219.90.0000		MAT'L. SHIPPING LOCATION 1121 VANDERGRIFT PA	
			SS		DSO		DSO		30		SHIP TO		INVOICE 668227	

GRADE "ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE CARRIER - TRANSPORT TFI DBA GOLDEN

ITEM TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND	ASTM GRAIN SIZE	HARDENABILITY
002 8858250	T 47700.	93600.	54. #	NR	86.HRBW	NR	NR	NR
	T 47500.	93500.	55. #		85.HRBW			
TEST LOCATION	TC	TC	TC		TC			

\* Y.S. BY 0.2% OFFSET METHOD  
# ELONG AT FRACTURE

NR = DATA NOT REQUIRED  
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

ATI FLAT ROLLED PRODUCTS DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

MATERIAL IS OF USA MELT AND MANUFACTURE.

EN 10204:2005 - 3.1 CERTIFICATE DOES NOT IMPLY THAT MATERIAL IS AN APPROVED PED GRADE. FOR A COMPLETE LISTING OF APPROVED PED GRADES, VISIT OUR WEBSITE AT WWW.ATIMETALS.COM.

THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN, DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, WITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT.

PAGE 02 - CONTINUED ON PAGE 03

06/20/18 14:24:39

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Noreen DeFerrari

*N. DeFerrari*

1

NOTICE OF SHIPMENT/  
PACKING LIST



CERTIFICATE OF TEST

AL 0100-8 U471

CUST. ORDER NO. & DATE P208064		CUST. CODE 06/19/18		FINISHING LOCATION VANDERGRIFF, PA		SHIPPER NO. 569835		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-068-317		DATE SHIPPED 06/20/18	
FORMS DISTRIBUTION SOLD TO → 3 SHIP TO → SPEC SOLD TO		MG BILL L155051		REPEAT ORDER 01885-4		DO DATE 26		PRI-ORITY PRIME SEC		GOV'T. CONTRACT 7219.90.0000		MAT'L. SHIPPING LOCATION 1121 VANDERGRIFF PA	
				DSO DSO 30				SHIP TO				INVOICE 668227	

GRADE

CARRIER - TRANSPORT TFI DBA GOLDEN

"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE

THIS CERTIFIED MATERIAL TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI FRP HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI FRP QUALITY MANUAL REVISION 27 DATED 02/01/2018. FOR THE TESTING SPECIFICATION USED IN THE ANALYSIS OF THE MATERIAL, PLEASE SEE THE SCOPE OF APPROVAL FOR NADCAP AND ISO/IEC 17025 FOR THE LABORATORIES. THE SCOPE OF THE APPROVALS CAN BE FOUND AT WWW.ATIMETALS.COM.

ATI FLAT ROLLED PRODUCTS PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES FOR TESTING LOCATIONS TC, BN, & LO:

C, S BY COMBUSTION/INFRARED  
V, O, H BY INERT FUSION/THERMAL CONDUCTIVITY  
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF  
B BY OES  
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES  
B, BI, AG BY GFAA

ATI FLAT ROLLED PRODUCTS HAS NO CONTROL OVER CUSTOMER PROCESSING OF MATERIAL; INCLUDING, BUT NOT LIMITED TO, BUFFING OR ELECTROPOLISHING MATERIAL WITH A 2B OR OTHER FINISH, AND DOES NOT REPRESENT OR GUARANTY THAT THE MATERIAL IS SUITABLE FOR ANY PARTICULAR PROCESS OR USE OF CUSTOMER.

EN 10204:2005 3.1 CERTIFICATE.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

BN = ATI-FLAT ROLLED PRODUCTS; 100 RIVER ROAD; BRACKENRIDGE, PA 15014  
TC = ATI-FLAT ROLLED PRODUCTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

PAGE 03 - CONTINUED ON PAGE 04

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Noreen DeFerrari

*N. DeFerrari*

NOTICE OF SHIPMENT /  
PACKING LIST



CERTIFICATE OF TEST

AL 0100-0 0417

CUST. ORDER NO. & DATE  
P208064

06/19/18 329587  
MG BILL

FINISHING LOCATION  
VANDERGRIFF, PA

SHIPPER NO.  
569835

PRODUCT CODE  
13020102060000

MILL ORDER NUMBER  
30-068-317

DATE SHIPPED  
06/20/18

FORMS DISTRIBUTION  
SOLD TO 3 SHIP TO SPEC

L155051

REPEAT ORDER 01883-4 DO DATE 28 PRI- ORITY  
PRIME SEC

GOV'T. CONTRACT  
7219.90.0000

MAT'L. SHIPPING LOCATION  
1121 VANDERGRIFF PA  
SHIP TO

INVOICE  
668227

DSO DSO  
30

GRADE

CARRIER - TRANSPORT TFI DBA GOLDEN

"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE

<<<<<< FOR ACCESS TO ONLINE CERTIFICATES OF TEST >>>>>>  
<<<<<< REGISTER AT MYATI.ATIMETALS.COM >>>>>>

PAGE 04 - FINAL PAGE.

06/20/18 14:24:39

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Noreen DeFerrari

*N. DeFerrari*

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240

FINISH:

FINISH	DART M-NUMBER
UNPOLISHED No. 1	1P
UNPOLISHED No. 2D	2D
UNPOLISHED No. 2B	NONE
POLISHED No. 3	3P
POLISHED No. 4	4P
BUFFED No. 6	6P
BUFFED No. 7	7P
BUFFED No. 8	8P

PART NUMBER: M304S TT GA #P  
GA

WHERE "TT" = GAUGE THICKNESS  
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED

2015 FEB 04

ECN 15-522 97

DESIGN	DS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. D
MFG. APPR.		M304S	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		304/316 SS SHEET	NTS
DATE	15.01.06	COPYRIGHT © 2001 BY DART AEROSPACE LTD	
THIS DOCUMENT IS UNCLASSIFIED AND IS SUPPLIED ON THE BASIS OF THE CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR THE DISSEMINATION OF INFORMATION TO ANY OTHER PERSON OR ENTITY WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.			



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S16GA  
 DATE: 18/11/09

PO / BATCH NO.: P0041514 / S123148

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 645F  
 QUANTITY INSPECTED: 645F  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 16GA  
 THICKNESS RECEIVED: 16GA  
 SHEET SIZE ORDERED: 4'x8'  
 SHEET SIZE RECEIVED: 4'x8'

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	(Y)	N	Some rust
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	ASTM A240
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	HT: 854967
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/11/09</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in